This document is guaranteed to be current only to issue date.

Some Mars Global Surveyor documents that relate to flight operations are under revision to accommodate the recently modified mission plan.

Documents that describe the attributes of the MGS spacecraft are generally up-to-date.

NOTE:

The graphics in this file may be difficult to read on screen.

A printed copy will provide more in-depth detail.

542-409, Vol. 8

PRELIMINARY

Mars Global Surveyor

Mission Operations Specification

Volume 8: Facilities

PRELIMINARY

AUGUST, 1995

Jet Propulsion Laboratory
California Institute of Technology

JPL D-12369

542-409, Vol. 8

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Prepared by:

W. J. Hyland

W. J. Hyland

Approved by:

S. S. Dallas

S.S. Dallas, Mission System Manager

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FIGURE LIST

1. INTRODUCTION

1.1 PURPOSE

The purpose of the MOS Specification Vol. 8, Facilities (542-409 V.8) is to document the Mars Global Surveyor Project's "as built" Project Operations Support Area (POSA) at JPL as allocated to the project by the JPL Facilities Space Council. This document also describes the MMTI facilities that house the remote MSA. Remote science MSA information is documented in the Payload Operations Facility Configuration and Control Plan.

1.2 SCOPE

Section 2 includes information on the MGS POSA offices and VOCA equipment as authorized by the Project Manager.

Section 3 is a diagram of the MGS POSA and provides a floor plan layout of the allocated POSA area. Items on the diagram include office number, occupant's name or team, telephone and VOCA number.

Section 4 are diagrams of the MMTI facilities.

1.3 APPLICABLE DOCUMENTS

The following documents contain information related to, or are referenced in, this document.

542-111	Project Security Requirements
542-409 Vol.2	Mission Operations System Specification, Data System
542-412	Mission System Configuration Management Plan
542-311	Payload Operations Facility Configuration and Control Plan
KK MOSO02106-01-00	MOSO Project Support Agreement (M-PSA) for the Mars Global Surveyor Project

1.4 DOCUMENT CHANGE CONTROL

This document is planned to be used for the duration of the project. All changes to this document shall be approved by the Mars Global Surveyor Mission Manager. This document shall follow the project change control process. Resulting changes shall follow the process prescribed by the Mission System Configuration Management Plan.

2. PROJECT OPERATIONS SUPPORT AREA

2.1 GENERAL DESCRIPTION

This section contains information concerning the Mars Gloabal Surveyor POSA.

The space for housing the POSA is allocated from building 264 at JPL, by the JPL Facilities Space Council, with support from the Space Flight Operations Facility (SFOF) Manager. The Mars Exploration Program provides a Facility Coordinator (FC) to work with the Project to assist in defining requirements and implement authorized POSA modifications. Building 264 is supported by a generator in the case of power outages or interruptions of more than five minutes. Projects located in building 264 may request switching building 264 to generator power for periods of time around critical spacecraft events to prevent outages during those periods.

2.2 POSA OFFICES

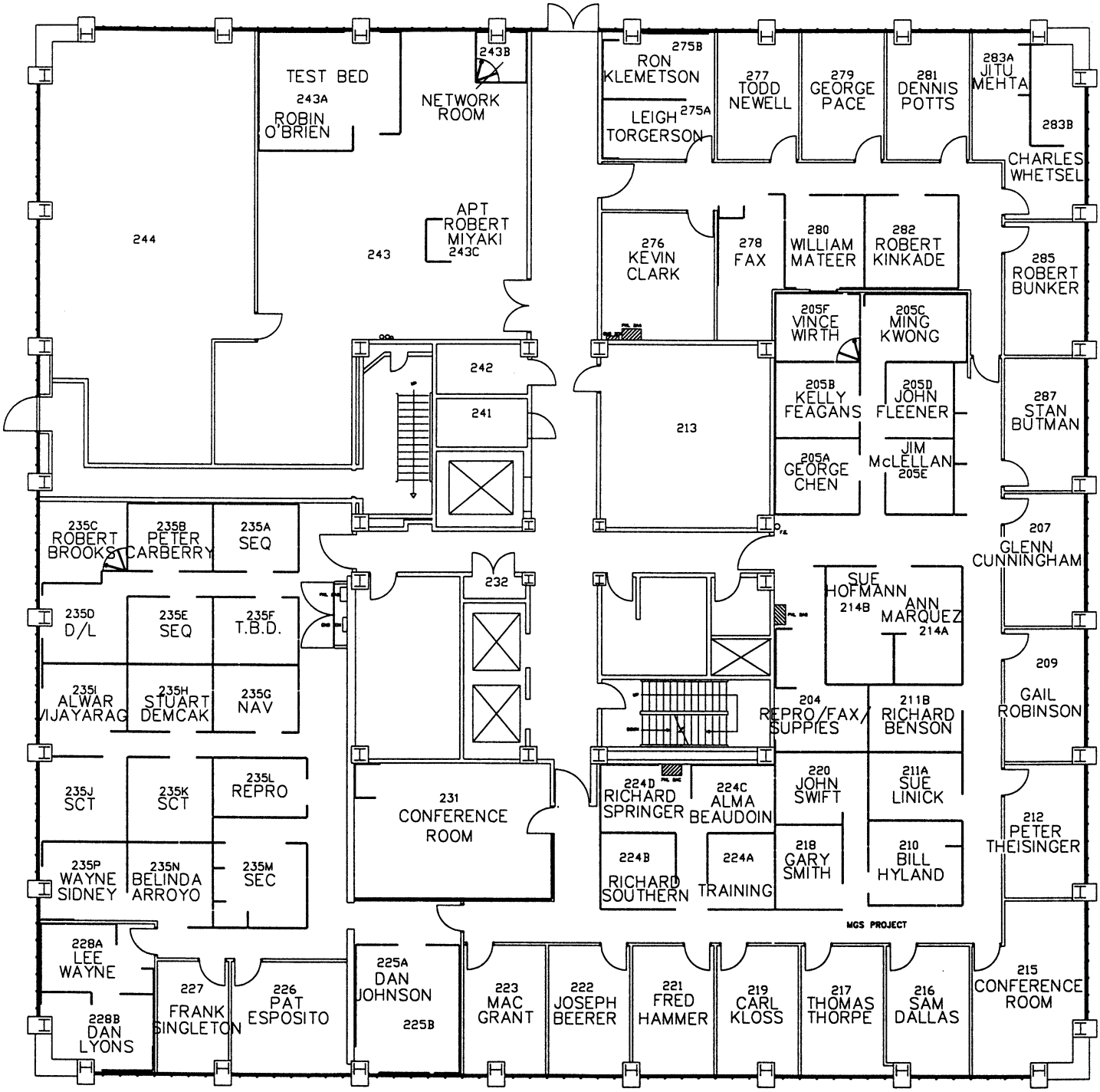
Office numbers of MGS personnel located in the POSA are listed below. An Asterisk is placed next to office numbers that will have digital VOCA units that will access MGS operational voice nets as authorized by the Project Manager.

Office #		Occupant's Name	Functional Title/Area
205A		Chen, George	Spacecraft Design
205B		Fegans, Kelly	System Administrator
205C		Kwong, Ming	Project Office
205D		Fleener, John	Documentation
205E		McLellan, Jim	Project Scheduler
205F		Wirth, Vince	ATLO
207	*	Cunningham, Glenn	Project Manager
209		Robinson, Gail	Project Financial
210	*	Hyland, Bill	Flight Operations Development
211A		Linick, Sue	Mission Operations Assurance
211B		Benson, Richard	GDS Software Engineer
212	*	Theisinger, Pete	Project Engineer
214A		Marquez, Ann	Secretary
214B		Hofmann, Sue	Secretary
215	*	None	Conference Room
216	*	Dallas, Sam	Mission System Manager
217	*	Thorpe, Tom	Science Manager
218		Smith, Gary	Data Administration
219		Klose, Carl	Payload Manager
220	*	Swift, John	Data Administration
221	*	Hammer, Fred	GDS Manager

Office #		Occupant's Name	Functional Title/Area
222	*	Beerer, Joe	Msn & Nav Design Manager
223	*	Grant, Mac	Flight Ops. Development Mgr.
224A	*	TBD	Training Engineer
224B	*	Southern, Richard	GDS Test Engineer
224C		Beaudoin, Alma	Configuration Mgmt Engineer
224D		Springer, Richard	Experiment Representative
225A	*	Johnson, Dan	Navigation Engineer
225B		TBD	Navigation Engineer
226	*	Esposito, Pat	Navigation Team Chief
227		Singleton, Frank	GDS H/W Engineer
228A		Lee, Wayne	Mission Planner
228B	*	Lyons, Dan	Aerobraking Engineer
231	*	None	Conference Room
235A		TBD	Sequence Engineer
235B	*	Carberry, Peter	Sequence Engineer
235C	*	Brooks, Bobby	Sequence Team Chief
235D	*	TBD	Downlink Engineer
235E		TBD	Sequence Engineer
235F		TBD	Sequence Engineer
235G		TBD	Navigation Engineer
235H		Demcak, Stuart	Navigation Engineer
235I	*	Alwar, Vijayarag	Navigation Engineer
235J	*	TBD	Spacecraft Engineer
235K		TBD	Spacecraft Engineer
235L		None	Repro/FAX
235M		TBD	Secretary
235N		Arroyo, Belinda	Resource Scheduler
235P		Sidney, Wayne	Mission Planner
243A	*	None	GDS Testbed
243B		None	File Server Room
243C		Miyake, Robert	Spacecraft Design
275A		Torgerson, Leigh	Spacecraft Design
275B		Klemetson, Ron	Spacecraft Design
276		Clark, Kevin	Quality Assurance
277		Newell, Todd	Spacecraft Design
278		None	FAX/Storage
279		Pace, George	Spacecraft Manager
280		Mateer, Bill	Spacecraft Design
281	*	Potts, Dennis	Spacecraft Design
282		Kinkade, Robert	Contracts Manager
283A	*	Mehta, Jitu	Spacecraft Design
283B		Whetsal, Charles	Spacecraft Design
285		Bunker, Bob	Spacecraft Design
287		Butman, Stan	Spacecraft Design

3.0 POSA FLOOR LAYOUT

The MGS POSA resides on the 2nd. floor of building 264.



B264 2ND FLOOR MGS PROJECT

4.0 MMTI FACILITIES

4.1 GENERAL INFORMATION

The MMTI Remote MSA is located in Denver, CO. Figure 4.1 shows a layout of the main buildings at MMTI. The arrow designates the Space Support Building (SSB) which houses the MSA. The MSA is located on the third floor of the SSB as shown in Figure 4.2. Figure 4.3 displays the actual MSA with the STL incorporated in it.

Figure 4.1

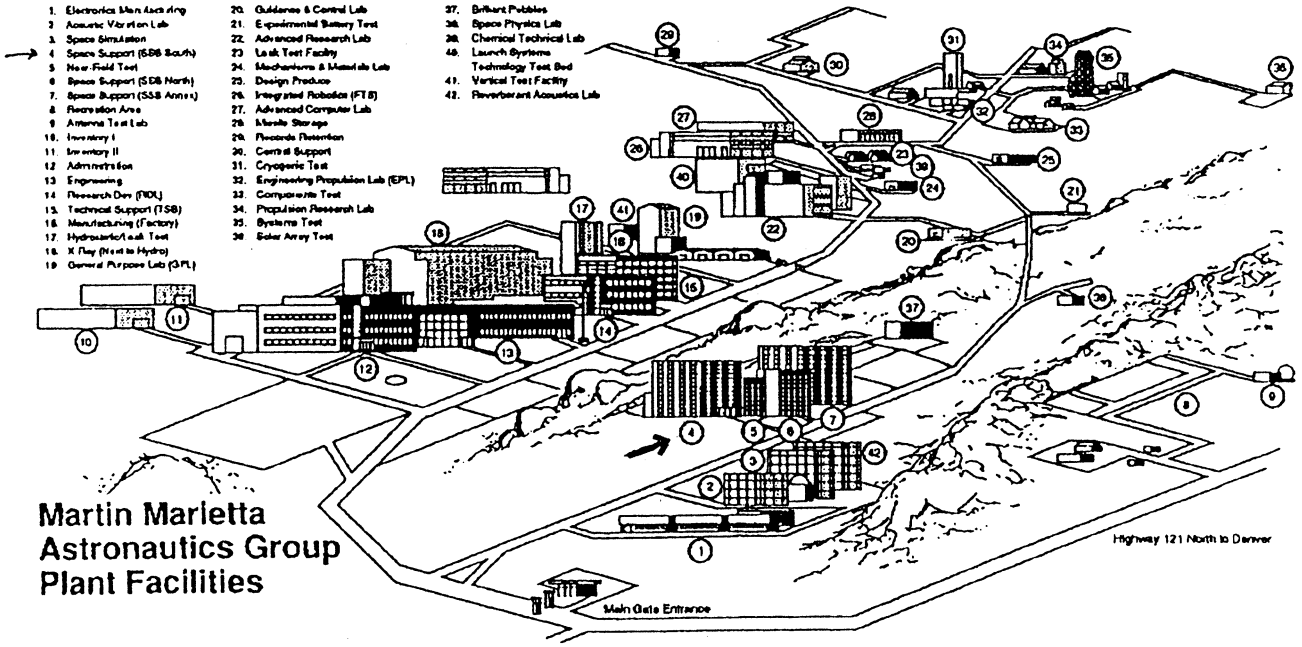


Figure 4.2

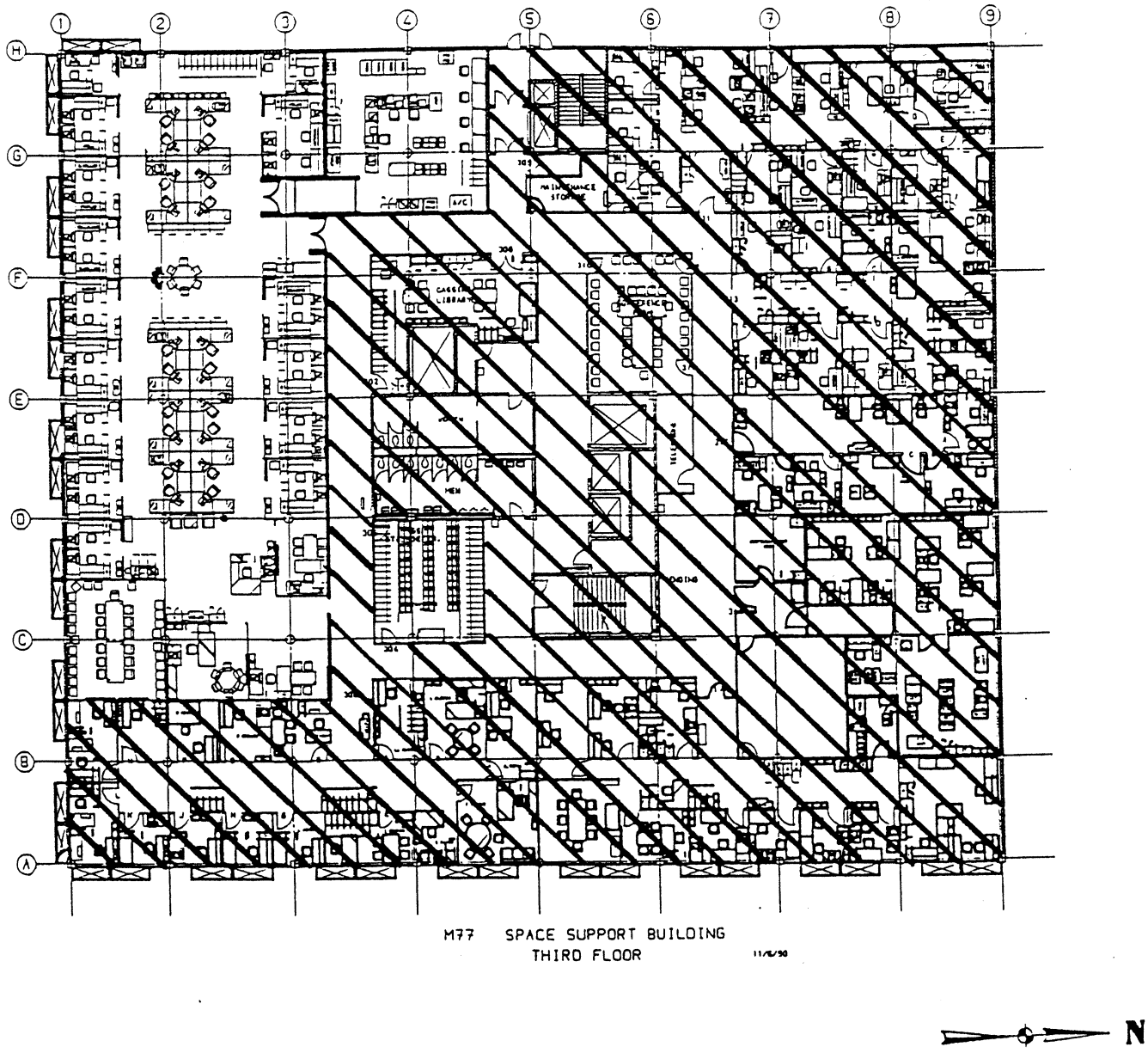


Figure 4.3